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Palomar Amateur Radio Club

SCOPE Newsletter

2023 General Meeting

Annual Club Auction

Please join us on Wednesday, October 4th for the annual club auction.

- Sellers can setup between 6:00 and 6:30
- Please have your name and callsign on all items
- Buyers can examine the merchandise between 6:30 and 7:00
- The auction will start at 7:00
- All items should have some nexus to amateur radio
- Information on the condition of the item is appreciated
- Small items can be grouped together in a lot
- Any item that sells for less the $10 will be considered a donation to the club
- We accept cash, credit cards, and checks (from members only)
- We need to be out of the building by 9:00 SHARP!

Reminder, there is NO zoom link for this meeting. We are unable to support proxy or remote bids. Thank you!

We will meet at the usual Harding Community Center 3096 Harding St, Carlsbad, CA 92008.

President's Report
Picnic Recap!

Many thanks to all who attended our 2023 Picnic, I guess we never actually SAID that it would happen rain or shine, and this year we got rain! Well, sort-of. It was more of a dense fog / mist for some of the morning and then again a bit when we were finishing up, but we still managed to consume all the food that Mark brought from Costco, those hot dogs were gigantic!

Richard brought his HF station and hitch-mount antenna setup, contacts were made once it was dry enough to safely bring out the radio.

Much fun was had, Greg KI6RXX hid a few transmitters and several people went hunting, stories were shared, and prizes were drawn.

Thanks and 73 de K6JPE

RFBitBanger Kit Launch Highly Successful

The DEFCON Show Special “Black Edition” RFBitBanger Kit has sold out. The kit was announced at RF Village at DEFCON31, where attendees could see a live demonstration of prototype hardware and operate CW and the new SCAMP mode. The show special kit offering ran until 31 August 2023. 97 kits were assembled and all have been shipped.

RFBitBanger is a low-power high-frequency digital radio by Dr. Daniel Marks KW4TI. Presented by Open Research Institute, the radio is designed to produce 4 watts of power. It opens up a new digital protocol called SCAMP and has an innovative Class E amplifier based radio design. It has a display, button menu navigation, and keyboard connection for keyboard modes and keyboard-enabled navigation. This radio can be taken portable or used in a case. If you have a 3d printer, then Dr. Marks has a case design ready for you to print.

* Built-in digital modes: CW, RTTY, SCAMP (FSK and OOK, multiple speeds)
* Key jack supports straight keys and iambic paddles
* Open Source hardware and firmware, Arduino UNO compatible
https://github.com/profdc9/RFBitBanger
* External sound-card FSK digital modes supported (including FT4/FT8)
* Experimental SSB support
* Serial port support (2400 baud) for send and receive in keyboard modes

SCAMP is a new protocol that allows keyboard-to-keyboard contacts with a digital protocol that has excellent connection performance. See Dr. Marks presentation about RFBitBanger from QSO Today Academy in September 2023 to learn more about SCAMP and the RFBitBanger project.

All surface mount parts on the main board are pre-installed at the factory. All the through-hole parts you need to complete the radio are provided for you to solder yourself. If you don't know how to wind toroids or solder surface mount capacitors, this is an excellent kit to learn on. There are just six toroids on the main board, and two on each band pass filter board. You can build just one band pass filter board and operate on a single band, or you can build an assortment. We provide 12 filter boards, enough toroids to build any 9 filters, and a supply of capacitors that will let you build those 9 filters for 9 different HF ham bands. These capacitors are size 1206, which is the largest common size for SMT capacitors and the easiest to solder manually. All you'll need is a pair of tweezers and your regular soldering iron and solder. We provide detailed instructions on winding the toroids and soldering the capacitors. The spare filter boards are yours to experiment with.

Batch 2 is being planned right now. If you'd like to be part of the project, get in touch at hello@openresearch.institute.

-Michelle Thompson

Membership Report

Please keep an eye on your email for direct updates from your Membership Chair, Glen AI6RR, for updates about your individual membership status and renewal dates. You can always reach out to him directly or Check Your Membership on the website.

Amateur Radio on the International Space Station Contact Opportunity

Call for Proposals
New Proposal Window: October 1 – November 10, 2023

September 25, 2023 --- The Amateur Radio on the International Space Station (ARISS) Program is seeking formal and informal education institutions and organizations, individually or working together, to host an Amateur Radio contact with a crew member on board the ISS. ARISS anticipates that the contact would be held between July 1, 2024 and December 31, 2024. Crew scheduling and ISS orbits will determine the exact contact dates. To maximize these radio contact opportunities, ARISS is looking for organizations that will draw large numbers of participants and integrate the contact into a well-developed education plan.

The deadline to submit a proposal is November 10, 2023. Proposal information and more details such as expectations, proposal guidelines and the proposal form can be found at www.ariss.org. An ARISS Proposal Webinar session will be held October 5 2023 at 7 PM ET and t**he Eventbrite link to sign up is: https://ariss-proposal-webinar-fall-2023.eventbrite.com**

The Opportunity:
Crew members aboard the International Space Station will participate in scheduled Amateur Radio contacts. These radio contacts are approximately 10 minutes in length and allow students to interact with the astronauts through a question-and-answer session.

An ARISS contact is a voice-only communication opportunity via Amateur Radio between astronauts and cosmonauts aboard the space station and classrooms and their communities. ARISS contacts afford education audiences the chance to learn firsthand from astronauts what it is like to live and work in space and to learn about space research conducted on the ISS. Students also have an opportunity to learn about satellite communication, wireless technology, and radio science. Because of the nature of human spaceflight and the complexity of scheduling activities aboard the ISS, organizations must demonstrate flexibility to accommodate changes in dates and times of the radio contact.

Please direct any questions to education@ariss-usa.org.

About ARISS:

Amateur Radio on the International Space Station (ARISS) is a cooperative venture of international amateur radio societies and the space agencies that support the International Space Station (ISS). In the United States, sponsors are the American Radio Relay League (ARRL), Amateur Radio Digital Communications (ARDC), Radio Amateur Satellite Corporation (AMSAT), NASA's Space Communications and Navigation program (SCaN) and the ISS National Lab—Space Station Explorers. The primary goal of ARISS is to promote exploration of science, technology, engineering, the arts, and mathematics topics. ARISS does this by organizing scheduled contacts via amateur radio between crew members aboard the ISS and students. Before and during these radio contacts, students, educators, parents, and communities take part in hands-on learning activities tied to space, space technologies, and amateur radio. For more information, see http://www.ariss.org.

Media Contact:
Dave Jordan, AA4KN
ARISS PR

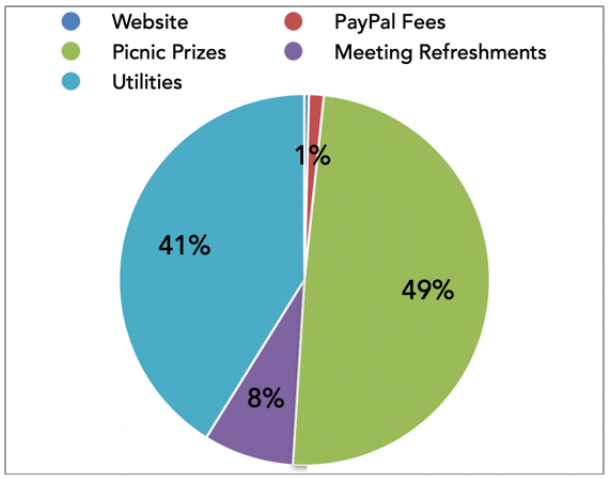
Find us on social media at:
Twitter: ARISS_Intl

Facebook: facebook.com/ARISSIntl
Instagram: ariss_intl
Mastodon: ariss_intl@mastodon.hams.social
Check out ARISS on Youtube.com.

Financial Report

Palomar Amateur Radio Club
Statement of Activity by Month
7/1/2023 - 7/31/2023

	7/31/2023	Total
Revenue		
PayPal Sales	140.00	140.00
Sales	150.00	150.00
Interest	23.35	23.35
Total Revenue	$ 313.35	$ 313.35
Gross Profit	$ 313.35	$ 313.35
Expenditures		
Website	2.07	2.07
PayPal Fees	6.84	6.84
Picnic Prizes	259.49	259.49
Meeting Refreshments	41.38	41.38
Utilities	216.49	216.49
Total Expenditures	$ 526.27	$ 526.27
Net Operating Revenue	-$ 212.92	-$ 212.92
Net Revenue	-$ 212.92	-$ 212.92



PARC Expenses July 2023

SAN DIEGO HAMFEST
AND DISASTER PREPAREDNESS
OCTOBER 7TH 2023
LAKESIDE RODEO GROUNDS
SPONSORED BY LAKESIDE AMATEUR RADIO CLUB

WWW.lakesidearc.org

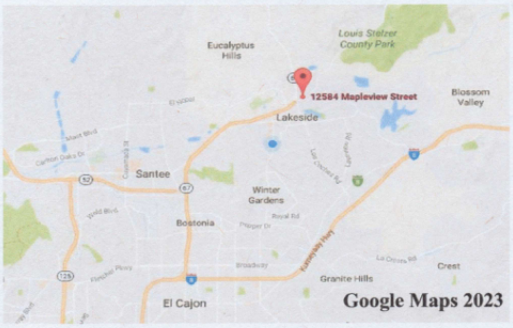
Time of the Event 7AM—3PM
"Old Radio Trade Show" Starts at 6AM

Hamfest Cost: $5
Trading Post: "Consignment Booth"

"Old Radio Trade Show" in parking lot!
Set-up a table and sell your unwanted
Old Radio Gear ONLY $5 a space!

- All Local Ham Clubs Welcome
- Button Hole "QSO's" with other Hams
- Visit Ham Club Booths
- ARRL Forum
- Ham Radio Vendors
- 1st, 2nd, 3rd & Door Prizes
- VE Testing
- T-Hunt
- Speakers

Location
12584 Mapleview Street
Lakeside CA



1st Place Prize
TBA

2nd Place Prize
Yaesu Fusion HT FT-5D

3rd Place Prize
Alinco DMR DJ-MD5

You are cordially invited to attend the
7th Annual San Diego Hamfest 2023.
We plan on starting out the day with an
Old Radio Trade Show, Vendors,
Speaker Forums, and VE Testing.
So come on out and let's Ham it Up!

Air Conditioned Tech Forums

Sponsored by: Lakeside Amateur Radio Club
Visit us on the Web at
WWW.LakesideARC.org

For the most up to date information
Please visit: WWW.SDhamfest.org

Classifieds

Item

Description/Price

Item

Description/Price

Your Board of Directors

Call Sign.	Name.	Position
K6JPE	Joe	President
KD9LF	Chris	Vice-President
W6TQS	Jim	Secretary
K2VO	Jim	Treasurer
AI6RR	Glen	*Membership Chair*
AJ6FQ	Ron	Director #1
W6XM	John	Director #2
KM6CXW	Keith	*Scope Editor*
KF6WTN	Mark	*Repeater Chair*
NN3V	Charlie	Site Chair

Member Satisfaction Survey

Badge/Nametags

Nametags can be ordered again! Please fill out the form found below, you will be contacted for payment.
https://www.palomararc.org/parc-badge-order-form

Swag

Joe K6JPE has been sporting PARC branded swag for a few months now, here's the link to order your own!
https://stores.goldmedalideas.com/palomar_amateur_radio_club

Scope Articles/Content

Please submit articles or content to scope@palomararc.org if you have done something interesting please share with us!
We'd love to see your HAM shacks, mobile rigs, hiking rigs, stories about your hikes or expeditions, anything you think other club members may be interested in reading about.

Donate

Palomar Amateur Radio Club is a 501(c).(3) Nonprofit organization

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